

## PCT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

WOODCRAFT, David, Charles  
Brookes Batchellor  
102-108 Clerkenwell Road  
London EC1M 5SA  
ROYAUME-UNI

Date of mailing (day/month/year) 03 juillet 2001 (03.07.01)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference DCW/VSW	
International application No. PCT/GB00/01566	International filing date (day/month/year) 20 avril 2000 (20.04.00)

## 1. The following indications appeared on record concerning:

☐ the applicant      ☐ the inventor      ☒ the agent      ☐ the common representative

## Name and Address

WOODCRAFT, David, Charles  
Brookes & Martin  
High Holborn House  
52/54 High Holborn  
London WC1V 6SE  
United Kingdom

## State of Nationality

## State of Residence

## Telephone No.

020 7242 9631

## Facsimile No.

020 7831 0586

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person      ☐ the name      ☒ the address      ☐ the nationality      ☐ the residence

## Name and Address

WOODCRAFT, David, Charles  
Brookes Batchellor  
102-108 Clerkenwell Road  
London EC1M 5SA  
United Kingdom

## State of Nationality

## State of Residence

## Telephone No.

020 7253 1563

## Facsimile No.

020 7253 1214

## Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

## Authorized officer

Anman QIU

Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

Date of mailing (day/month/year) 13 December 2000 (13.12.00)	
International application No. PCT/GB00/01566	Applicant's or agent's file reference DCW/VSW
International filing date (day/month/year) 20 April 2000 (20.04.00)	Priority date (day/month/year) 22 April 1999 (22.04.99)
Applicant HEATON, Keith, Patrick et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 17 November 2000 (17.11.00)

☐ in a notice effecting later election filed with the International Bureau on:  
 \_\_\_\_\_

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Pascal Piriou
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/G8 00/01566

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61F13/00 A61F13/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 969 880 A (ZAMIEROWSKI DAVID S) 13 November 1990 (1990-11-13) column 7, line 7 - line 16; figure 8 ---	1,4-7
A	DE 10 93 949 B (DIPL.-ING. ALFRED MAIER) 1 December 1960 (1960-12-01) column 2, line 34 - line 51; figure 1 ---	1-7
A	US 5 527 293 A (ZAMIEROWSKI DAVID S) 18 June 1996 (1996-06-18) claim 1; figure 24 -----	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

13 September 2000

Date of mailing of the international search report

25/09/2000

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Westermayer, W

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Patent Application No

PCT/GB 00/01566

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4969880 A	13-11-1990	AT 146980 T	15-01-1997
		AU 654468 B	10-11-1994
		AU 5521890 A	05-11-1990
		CA 2049948 A	04-10-1990
		DE 69029578 D	13-02-1997
		DE 69029578 T	05-06-1997
		EP 0465601 A	15-01-1992
		JP 4506011 T	22-10-1992
		WO 9011795 A	18-10-1990
		US 5527293 A	18-06-1996
		US 5100396 A	31-03-1992
		US 5261893 A	16-11-1993
DE 1093949 B		NONE	
US 5527293 A	18-06-1996	US 5261893 A	16-11-1993
		US 5100396 A	31-03-1992
		US 4969880 A	13-11-1990
		AU 2029592 A	30-12-1992
		CA 2103033 A	15-11-1992
		WO 9220299 A	26-11-1992
		AT 146980 T	15-01-1997
		AU 654468 B	10-11-1994
		AU 5521890 A	05-11-1990
		CA 2049948 A	04-10-1990
		DE 69029578 D	13-02-1997
		DE 69029578 T	05-06-1997
		EP 0465601 A	15-01-1992
		JP 4506011 T	22-10-1992
		WO 9011795 A	18-10-1990

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>DCW/VSW</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/GB 00/ 01566</b>	International filing date (day/month/year) <b>20/04/2000</b>	(Earliest) Priority Date (day/month/year) <b>22/04/1999</b>
Applicant  <b>KCI MEDICAL LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

/GB 00/01566

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61F13/00 A61F13/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 969 880 A (ZAMIEROWSKI DAVID S) 13 November 1990 (1990-11-13) column 7, line 7 - line 16; figure 8 ---	1,4-7
A	DE 10 93 949 B (DIPL.-ING. ALFRED MAIER) 1 December 1960 (1960-12-01) column 2, line 34 - line 51; figure 1 ---	1-7
A	US 5 527 293 A (ZAMIEROWSKI DAVID S) 18 June 1996 (1996-06-18) claim 1; figure 24 -----	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 September 2000

Date of mailing of the international search report

25/09/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Westermayer, W

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/GB 00/01566

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4969880 A	13-11-1990	AT 146980 T	15-01-1997
		AU 654468 B	10-11-1994
		AU 5521890 A	05-11-1990
		CA 2049948 A	04-10-1990
		DE 69029578 D	13-02-1997
		DE 69029578 T	05-06-1997
		EP 0465601 A	15-01-1992
		JP 4506011 T	22-10-1992
		WO 9011795 A	18-10-1990
		US 5527293 A	18-06-1996
		US 5100396 A	31-03-1992
		US 5261893 A	16-11-1993
<hr/>			
DE 1093949 B		NONE	
<hr/>			
US 5527293 A	18-06-1996	US 5261893 A	16-11-1993
		US 5100396 A	31-03-1992
		US 4969880 A	13-11-1990
		AU 2029592 A	30-12-1992
		CA 2103033 A	15-11-1992
		WO 9220299 A	26-11-1992
		AT 146980 T	15-01-1997
		AU 654468 B	10-11-1994
		AU 5521890 A	05-11-1990
		CA 2049948 A	04-10-1990
		DE 69029578 D	13-02-1997
		DE 69029578 T	05-06-1997
		EP 0465601 A	15-01-1992
		JP 4506011 T	22-10-1992
		WO 9011795 A	18-10-1990
<hr/>			

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference DCW/VSW	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/GB00/01566	International filing date (day/month/year) 20/04/2000	Priority date (day/month/year) 22/04/1999
International Patent Classification (IPC) or national classification and IPC A61F13/00		
Applicant KCI MEDICAL LIMITED et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 17/11/2000	Date of completion of this report 18.07.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Westermayer, W Telephone No. +49 89 2399 8172 



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/GB00/01566

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-7 as originally filed

**Claims, No.:**

1-7 as originally filed

**Drawings, sheets:**

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/GB00/01566

☐ the drawings, ----- sheets:-----

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes:	Claims	2, 3
	No:	Claims	1, 4-7
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-7
Industrial applicability (IA)	Yes:	Claims	1-7
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

**VII. Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

---

International application No. PCT/GB00/01566

1. Reference is made to the following document:  
  
(D1) US-A-4 969 880.
2. Document D1, which is considered to represent the most relevant state of the art, discloses all the features of claim 1 (cf. D1, column 7, lines 7-16 and figure 8). Hence, the subject-matter of claim 1 is not new and does not satisfy the criterion set forth in Article 33(2) PCT.
3. Dependent claims 2-7 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and inventive step.
4. The independent claim is not in the two-part form in accordance with Rule 6.3(b) PCT, which in the present case would have been appropriate.
5. The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
6. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.